



National Research University Higher School of Economics (HSE)

Curriculum
Field of study 01.03.01 Mathematics
Educational Programme "Mathematics"
Implementing unit: Faculty of Mathematics, HSE - Moscow
2 nd, 2025/2026 academic year

APPROVED
28.04.2025
Vice Rector
ROSHCHIN S.Y.
Signed with EDS

Length of Programme: 4 years
Years of Study: 2024/2025 - 2027/2028
Mode of Study: Full Time
Degree: Bachelor's degree

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
	Degree Programme			65,00	2 632	994	204	188	322	280	
	Data Culture			5,00	190	26		2	20	4	
1	External Examinations on Digital Skills. Entry-level	C	отдел развития цифровых компетенций			2		2A			
2	External Examinations on Digital Skills. Intermediate Level	C	отдел развития цифровых компетенций			2				2A	
3	Independent Programming Test. Intermediate	C	отдел развития цифровых компетенций			2				2A	Online Course
4	Introduction into Python	C	Department of Big Data and Information Retrieval	5,00	190	20			20A		Online Course
	Major			44,00	1 672	746	160	142	234	210	
	Core Professional Block (Major)			33,00	1 254	566	144	126	156	140	
1	Algebra	C	Faculty of Mathematics	5,00	190	60	32	28A			
2	Fourier Analysis	C	Faculty of Mathematics	5,00	190	84			44	40A	
3	Smooth Manifolds	C	Faculty of Mathematics	8,00	304	180	40	34A	56	50A	
4	Differential Equations	C	Faculty of Mathematics	5,00	190	76	40	36A			
5	Measure and Integral	C	Faculty of Mathematics	5,00	190	60	32	28A			
6	Theory of Complex Functions	C	Faculty of Mathematics	5,00	190	106			56	50A	
	Elective Professional Block (Major)			11,00	418	180	16	16	78	70	
	Elective Research Seminars/Elective Courses			5,00	190	106			56	50	
1	Research Seminar "Logic and Algorithms"	E	Faculty of Mathematics	5,00	190	104			54	50A	
2	Research Seminar "Mechanics"	E	Faculty of Mathematics	5,00	190	104			54	50A	
	-			6,00	228	74	16	16	22	20	
1	-	E		6,00	228	74	16A	16A	22A	20A	
	Minor			10,00	380	74	16	16	22	20	
1	Minor	C		10,00	380	74	16	16A	22	20A	
	General Courses			1,00	200	144	28	28	44	44	

	Core General Courses			1,00	200	144	28	28	44	44	
1	Physical Training	C	Department of Physical Training	1,00	200	144	28	28	44	44A	
	Internship			5,00	190	2				2	
	Research Internship			5,00	190	2				2	
1	Term Paper	C		5,00	190	2				2A	
	Language and Communication					2			2		
	Optional Courses										
1	English Language	O		6,00	228	96	28	28	40A		Foreign language, Credits only to the cumulative rating
	Examinations					2			2		
1	Independent Russian Exam	C	School of Foreign Languages			2			2A		

Curriculum agreed:

Academic Supervisor	Клименко А.В.	18.03.2025
Dean	SKRIPCHENKO A.S.	18.03.2025
Head of Centre for Educational Model Design	LEPESHKIN I.A.	28.04.2025

* Subject type:

Compulsory course

C

Elective course

E

Optional course

O